



POTENTIAL HAZARDOUS WASTE SITE

EXECUTIVE SUMMARY

<u>Pitt-Consol</u>	<u>NJD004948188</u>
Site Name	EPA Site ID Number
191 Doremus Avenue	
Newark, NJ	<u>02-8301-05</u>
Address	TDD Number

Date of Site Visit: March 2, 1983

SITE DESCRIPTION

Site is an active chemical plant with a long history of industrial activity. Wastes from tar processing in the 1950s were stored in surface impoundments that were subsequently filled, levelled, and covered with gravel. Unknown quantities of petrochemical derivatives and picric acid may have been disposed on-site.

PRIORITY FOR FURTHER ACTION: High Medium X Low

RECOMMENDATIONS

There are no above-ground wastes on the site at present. Contamination is restricted to tar wastes mixed with fill material on the surface, and possibly leachate in groundwater. Neither the groundwater nor surface water in the area is used for water supply, and site access is strictly controlled. For these reasons, this site presents no immediate danger to the public. However, a more detailed investigation, including soil samples, is needed to fully define the problem.

Prepared by: Scott Stanford
of NUS Corporation

Date: April 19, 1983





POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER D004948188

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Pitt-Consol Chemical Co.		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 191 Doremus Avenue			
03 CITY Newark	04 STATE NJ	05 ZIP CODE 07105	06 COUNTY Essex	07 COUNTY CODE 013	08 CONG DIST 10
09 COORDINATES LATITUDE 40° 43' 12" N LONGITUDE 74° 07' 30" W		10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN			

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 03 / 02 / 83 MONTH DAY YEAR	02 SITE STATUS <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> INACTIVE	03 YEARS OF OPERATION 1917 active BEGINNING YEAR ENDING YEAR
04 AGENCY PERFORMING INSPECTION (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR NUS Corporation (Name of firm) <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR (Name of firm) <input type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR (Name of firm) <input type="checkbox"/> G. OTHER (Specify)		

05 CHIEF INSPECTOR Scott Stanford	06 TITLE Geologist	07 ORGANIZATION NUS Corp.	08 TELEPHONE NO. (201) 225-6160
09 OTHER INSPECTORS Alan Woodard	10 TITLE Aquatic Biologist	11 ORGANIZATION NUS Corp.	12 TELEPHONE NO. (201) 225-6160
Rich Dabal	Geologist	NUS Corp.	(201) 225-6160
			()
			()
			()

13 SITE REPRESENTATIVES INTERVIEWED Harry Garrison	14 TITLE Plant Manager	15 ADDRESS 191 Doremus Ave. Newark, NJ 07105	16 TELEPHONE NO. (201) 344-3800
David Hollis	Process Superintendent	191 Doremus Ave. Newark, NJ 07105	(201) 344-3800
Alex Guanlao	Environmental Engr.	191 Doremus Ave. Newark, NJ 07105	(201) 344-3800
			()
			()
			()

17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION 10:00am	19 WEATHER CONDITIONS Partly cloudy, windy, temperatures in 40's
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IV. INFORMATION AVAILABLE FROM

01 CONTACT Mark Haulenbeek	02 OF (Agency Organization) Environmental Protection Agency		03 TELEPHONE NO. (201) 321-6776
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Scott Stanford	05 AGENCY NUS Corp.	06 ORGANIZATION Region II FTT	07 TELEPHONE NO. (201) 225-6160
08 DATE 03 / 08 / 83 MONTH DAY YEAR			



01 PHYSICAL STATES (Check all that apply)	02 WASTE QUANTITY AT SITE	03 WASTE CHARACTERISTICS (Check all that apply)
(Measures of waste quantities must be independent)		
<input checked="" type="checkbox"/> A. SOLID <input type="checkbox"/> E. SLURRY	TONS _____	<input checked="" type="checkbox"/> B. CORROSIVE <input checked="" type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> I. HIGHLY VOLATILE
<input type="checkbox"/> B. POWDER, FINES <input type="checkbox"/> F. LIQUID	CUBIC YARDS _____	<input type="checkbox"/> C. RADIOACTIVE <input type="checkbox"/> G. FLAMMABLE <input checked="" type="checkbox"/> K. REACTIVE
<input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> G. GAS	NO. OF DRUMS _____	<input type="checkbox"/> D. PERSISTENT <input checked="" type="checkbox"/> H. IGNITABLE <input type="checkbox"/> L. INCOMPATIBLE
<input type="checkbox"/> D. OTHER _____		<input type="checkbox"/> M. NOT APPLICABLE
(Specify)		

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	24,200	cubic	Quantity based on
SOL	SOLVENTS		yards	impoundments visible on
PSD	PESTICIDES			aerial photographs taken
OCC	OTHER ORGANIC CHEMICALS			in 1954. Impoundments covered
IOC	INORGANIC CHEMICALS	20-30	cubic yds	5 acres and were 3 feet deep.
ACD	ACIDS	unknown		Asbestos from old piping.
BAS	BASES			Picric acid formerly produced
MES	HEAVY METALS			

[illegible]

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	information not available		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

Interviews with Mr. Harry Garrison, Plant Manager, during site visit, 3/2/83.
Inspection of aerial photographs in custody of Pitt-Consol Chemical Co.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NJ D004948188

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

Water table is close to the surface and is probably in contact with the material in the former pitch bays. The groundwater in the area is brackish and is not used for water supply.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

High water table discharges into Passaic River and Newark Bay. Contamination in ground water will reach these water bodies. Water from Passaic River is only used for industrial purposes.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No potential exists.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No potential exists.

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 73 04 NARRATIVE DESCRIPTION

Workers in the facility could come into contact with contaminated soil. Site is inaccessible to the general public.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: 3/2/83) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 10 (Acres) 04 NARRATIVE DESCRIPTION

Tar wastes are exposed in the fill in the southern section of the site. The ground surface elsewhere on the site is covered by a layer of gravel.

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No potential exists.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 73 04 NARRATIVE DESCRIPTION

Workers in the facility could come into contact with contaminated soil and water.

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No potential exists.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER D004948188

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

There is no soil exposed on site. Surface is covered by asphalt, gravel or tar wastes.

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include names of species)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

No potential exists.

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

No potential exists.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/Runoff/Standing liquids, Leaking drums)

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 73 workers 04 NARRATIVE DESCRIPTION The former impoundments and buildings were leveled, partially covered with gravel. Empty, rusted drums are on the property. There is no spilled waste, runoff, standing liquids, or leaking drums visible.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

No potential exists

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

No potential exists

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

No potential exists

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

There were drum storage areas in and around tar pits. These may have been buried when impoundments were leveled. No drums have been encountered during recent construction activities on site.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 73

IV. COMMENTS

During rainfall, the ground water table rises and occasionally discolored water is visible.

V. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis reports.)

Site inspection 3/8/83 and conversations with Mr. Garrison, Plant Manager.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER D004948188

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES	Covered under sewer permit to Passaic Valley Sewerage Commission			
<input type="checkbox"/> B. UIC				
<input checked="" type="checkbox"/> C. AIR	25 State permits; 20 new permit applications			
<input checked="" type="checkbox"/> D. RCRA	NJD004948188			
<input checked="" type="checkbox"/> E. RCRA INTERIM STATUS	NJD004948188			
<input checked="" type="checkbox"/> F. SPCC PLAN	no number			also a DPCC plan
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input checked="" type="checkbox"/> I. OTHER (Specify)	204010722	5/13/81	5/13/83	sewer permit for Passaic Valley Sewerage Commission
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/ DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input checked="" type="checkbox"/> A. SURFACE IMPOUNDMENT	24,200	Cubic Yds.	<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	approximately 15
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input checked="" type="checkbox"/> D. TANK, ABOVE GROUND	approximately 20 empty		<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND	storage tanks		<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input checked="" type="checkbox"/> H. OTHER All wastes	
<input checked="" type="checkbox"/> I. OTHER buried drums may be present at site.			generated at present are transported offsite.	

07 COMMENTS The quantity indicated for the former surface impoundments is based on a surface area of 5 acres and a depth of 3 feet, as inferred from aerial photographs. These impoundments contained viscous wastes from tar processing. They were filled and levelled sometime between 1955 and 1967.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)
☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC Former surface impoundments were leveled and tar wastes apparently spread over entire site. There are several empty, rusted drums in the fill material on the site. There are no dikes, liners, or barriers. Fill is partially covered by gravel.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE YES ☒ NO

02 COMMENTS

Site is completely enclosed by a secure chain-link fence. Access is strictly controlled through a gate.

VI. SOURCES OF INFORMATION (Give specific references e.g. State files, sample analysis reports)

Alex Guanlao (Environmental Engineer, Pitt-Consol Chemical Co.)

Site Inspection 3/8/83



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE NY 02 SITE NUMBER D004948188

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY
(Check as applicable)

SURFACE WELL
COMMUNITY A. ☒ B. ☐
NON-COMMUNITY C. ☐ D. ☐

02 STATUS

ENDANGERED AFFECTED MONITORED
A. ☐ B. ☐ C. ☒
D. ☐ E. ☐ F. ☐

03 DISTANCE TO SITE

A. 25 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING
(Other sources available)
COMMERCIAL, INDUSTRIAL, IRRIGATION
(No other water sources available)
☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION
(Limited other sources available) ☒ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 0

03 DISTANCE TO NEAREST DRINKING WATER WELL 2 (mi)

04 DEPTH TO GROUNDWATER

3 (ft)

05 DIRECTION OF GROUNDWATER FLOW

east

06 DEPTH TO AQUIFER
OF CONCERN

none (ft)

07 POTENTIAL YIELD
OF AQUIFER

Not applicable (gpd)

08 SOLE SOURCE AQUIFER

☐ YES ☐ NO
Not applicable

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)

A nearby firm installed a 700-foot well in 1980. Chloride concentrations ranged from 800 ppm at depth to 3600 ppm near the surface.

10 RECHARGE AREA

☐ YES
☒ NO COMMENTS

11 DISCHARGE AREA

☒ YES ☐ NO COMMENTS Site is adjacent to an
estuarine reach of the Passaic River

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☐ A. RESERVOIR, RECREATION
DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY
IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☒ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:

Passaic River

AFFECTED

DISTANCE TO SITE

☐ 0.2 (mi)
☐ _____ (mi)
☐ _____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE
A. 10,000
NO. OF PERSONS

TWO (2) MILES OF SITE
B. 40,000
NO. OF PERSONS

THREE (3) MILES OF SITE
C. 265,000
NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

0.5 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

numerous (densely urbanized area)

04 DISTANCE TO NEAREST OFF-SITE BUILDING

0.01 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The immediate vicinity of the site is an uninhabited industrial area. A densely populated urban area begins 0.5 miles to the west.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER D004948188

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☒ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☒ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

fractures may increase the permeability

03 DEPTH TO BEDROCK

65 (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

unknown (ft)

05 SOIL pH

unknown

06 NET PRECIPITATION

25 (in)

07 ONE YEAR 24 HOUR RAINFALL

2.7 (in)

08 SLOPE

SITE SLOPE

0 %

DIRECTION OF SITE SLOPE

flat

TERRAIN AVERAGE SLOPE

0 %

09 FLOOD POTENTIAL

UNKNOWN

SITE IS IN YEAR FLOODPLAIN

10

estuary 0.1 miles east of site
☒ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

OTHER

A. 0.1 (mi)

B. 15 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

(mi)

ENDANGERED SPECIES: none

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS; NATIONAL/STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS
PRIME AG LAND AG LAND

A. 0 (mi)

B. 0.5 (mi)

C. (mi) D. 20 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site is on flatlands bordering the Passaic River and Newark Bay. There is no surface drainage off the site.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Herpers, Henry and Barlesdale, Henry. 1951. Preliminary Report on the Geology and Ground-water Supply of the Newark, New Jersey, Area. New Jersey Department of Conservation and Economic Development, Division of Water Policy and Supply, Special Report 10.

U.S. Geological Survey, Elizabeth 7½-minute quadrangle

Nemickas, B. 1974. Bedrock Topography and Thickness of Pleistocene Deposits in

EPA FORM 2070-13 (7-81) Union County and Adjacent Areas, New Jersey. U.S. Geological Survey
Micellaneous Geologic Investigations Map 795.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER D004948188

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	none		
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE Organic Vapor Analysis	02 COMMENTS There were no readings above background using HNu, Photoionization detector.

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input checked="" type="checkbox"/> AERIAL	02 IN CUSTODY OF NUS Corporation <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS Site Location Map and Site Map attached. Plan map of site in FTT files

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

15 Polaroid photographs and 18 35 mm photographs taken during site visit.
6 representative photos are included in report. Polaroids and remaining 35mm photos are in NUS custody.

VI. SOURCES OF INFORMATION (Can specific references, e.g., state files, sample analysis, reports)

Aerial photographs are in custody of Pitt-Consol Chemical Co.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NJ D004948188

II. CURRENT OWNER(S)

PARENT COMPANY (if applicable)

01 NAME Pitt-Consol Chemicals			02 D+B NUMBER none			08 NAME (Conoco Inc.) Conoco Chemicals, Co.			09 D+B NUMBER 00-842-7692								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 191 Doremus Avenue			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.) Highridge Park, Box 1050			11 SIC CODE								
05 CITY Newark			06 STATE NJ			07 ZIP CODE 07105			12 CITY Stamford			13 STATE CT			14 ZIP CODE 06904		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		

III. PREVIOUS OWNER(S) (List most recent first)

IV. REALTY OWNER(S) (if applicable; list most recent first)

01 NAME Consolidation Coal Co.			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) purchased by Conoco in 1967			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		
01 NAME Reilly Tar and Chemical Co.			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) unknown			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE IN			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		
01 NAME Butterworth-Judson Corp.			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) unknown			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Harry Garrison (Plant Manager for Pitt-Consol Chemicals)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NJ D004948188

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (if applicable)			
01 NAME same as owners		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER					
III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)			
01 NAME same as previous owners		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)							
Harry Garrison (Plant Manager for Pitt-Consol Chemical Co.)							



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NJ D004948188

II. ON-SITE GENERATOR

01 NAME Pitt-Consol Chemicals	02 D+B NUMBER none
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 191 Doremus Avenue	04 SIC CODE
05 CITY Newark	06 STATE 07 ZIP CODE NJ 07105

III. OFF-SITE GENERATOR(S)

01 NAME None: all wastes were generated onsite.	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME Present transporters not known	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Harry Garrison (Plant Manager for Pitt-Consol Chemical Co.)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NJ D004948188

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ D. SPILLED MATERIAL REMOVED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ E. CONTAMINATED SOIL REMOVED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ F. WASTE REPACKAGED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ G. WASTE DISPOSED ELSEWHERE
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ H. ON SITE BURIAL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ I. IN SITU CHEMICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ J. IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ K. IN SITU PHYSICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ L. ENCAPSULATION
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ M. EMERGENCY WASTE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ N. CUTOFF WALLS
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ P. CUTOFF TRENCHES/SUMP
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ Q. SUBSURFACE CUTOFF WALL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NJ D004948188

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☒ S. CAPPING/COVERING
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

Tar fill is partially covered by gravel.

01 ☐ T. BULK TANKAGE REPAIRED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ U. GROUT CURTAIN CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ V. BOTTOM SEALED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ W. GAS CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ X. FIRE CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ Y. LEACHATE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ Z. AREA EVACUATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ 1. ACCESS TO SITE RESTRICTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ 2. POPULATION RELOCATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

01 ☐ 3. OTHER REMEDIAL ACTIVITIES
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

None

III SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA files, N.J. Department of Environmental Protection files.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NJ	D004948188

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☒ YES ☐ NO

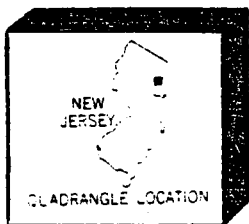
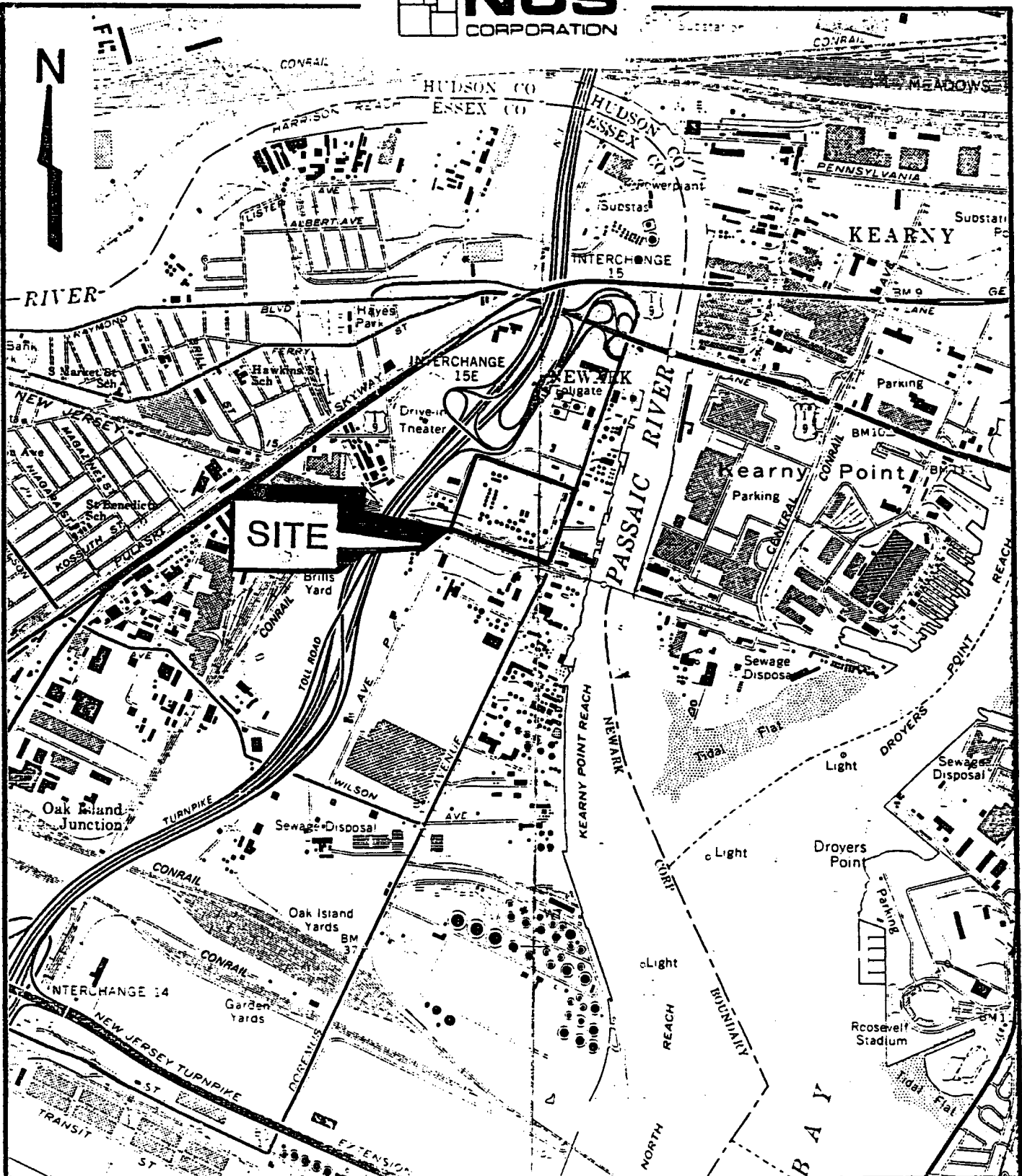
02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

EPA files contain an Enforcement Report dated 4/15/76, which lists an SPCC number of 47620 for Pitt-Consol. A code violation was reported by the Inspector.

EPA files also contain an incident report to the state office of Hazardous Substance Control from P.O. Allen of the U.S. Coast Guard (212-668-7936), dated May 12, 1981. The report indicates that an "unknown" red liquid was released into the Passaic River by dumping or illegal discharge on May 11, 1981. Pitt-Consol is confirmed as the source of the spilled substance. The case number is 81-05-12-003.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA files



1000 0 1000 2000ft



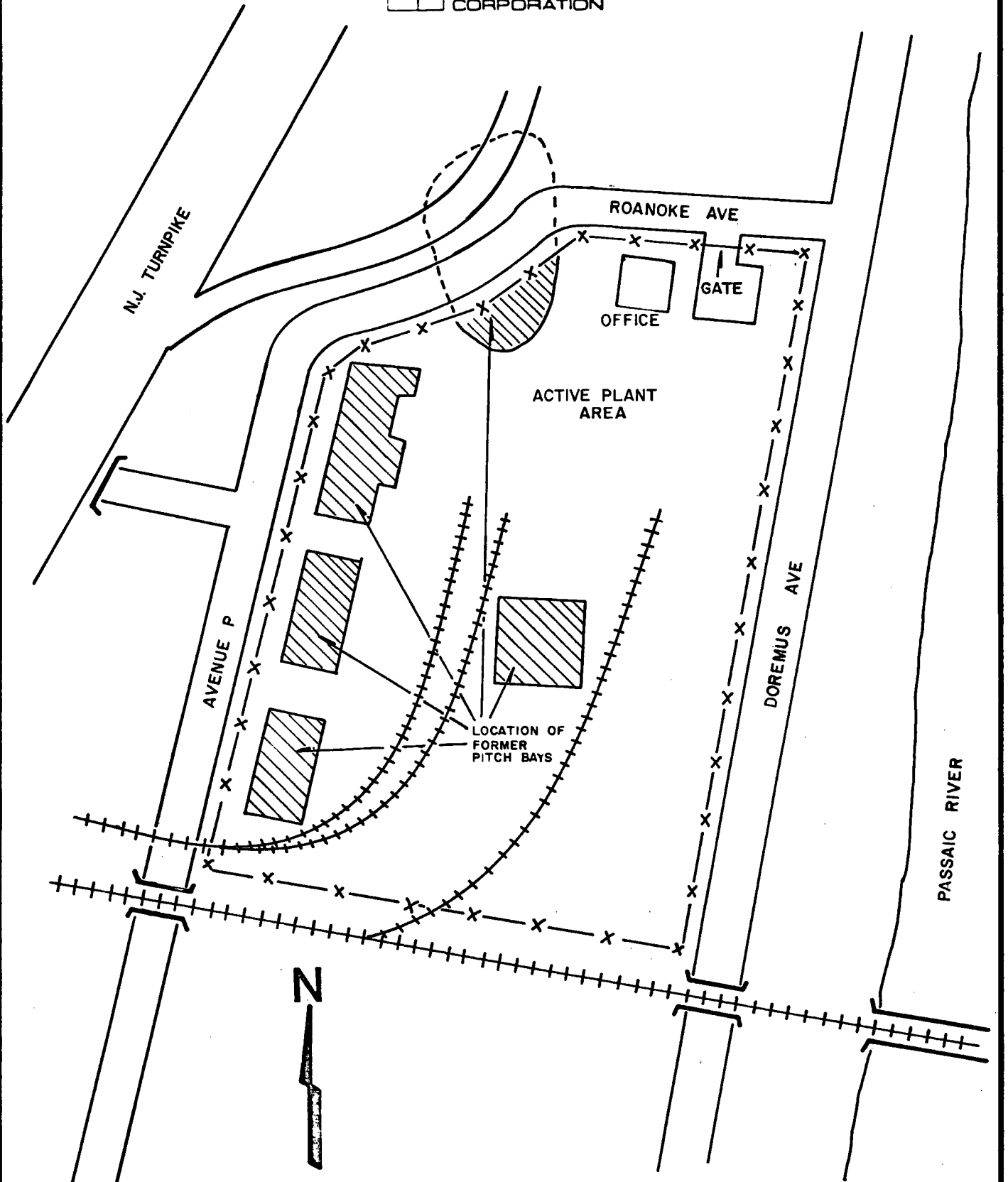
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FIGURE 1

PITT-CONSOL

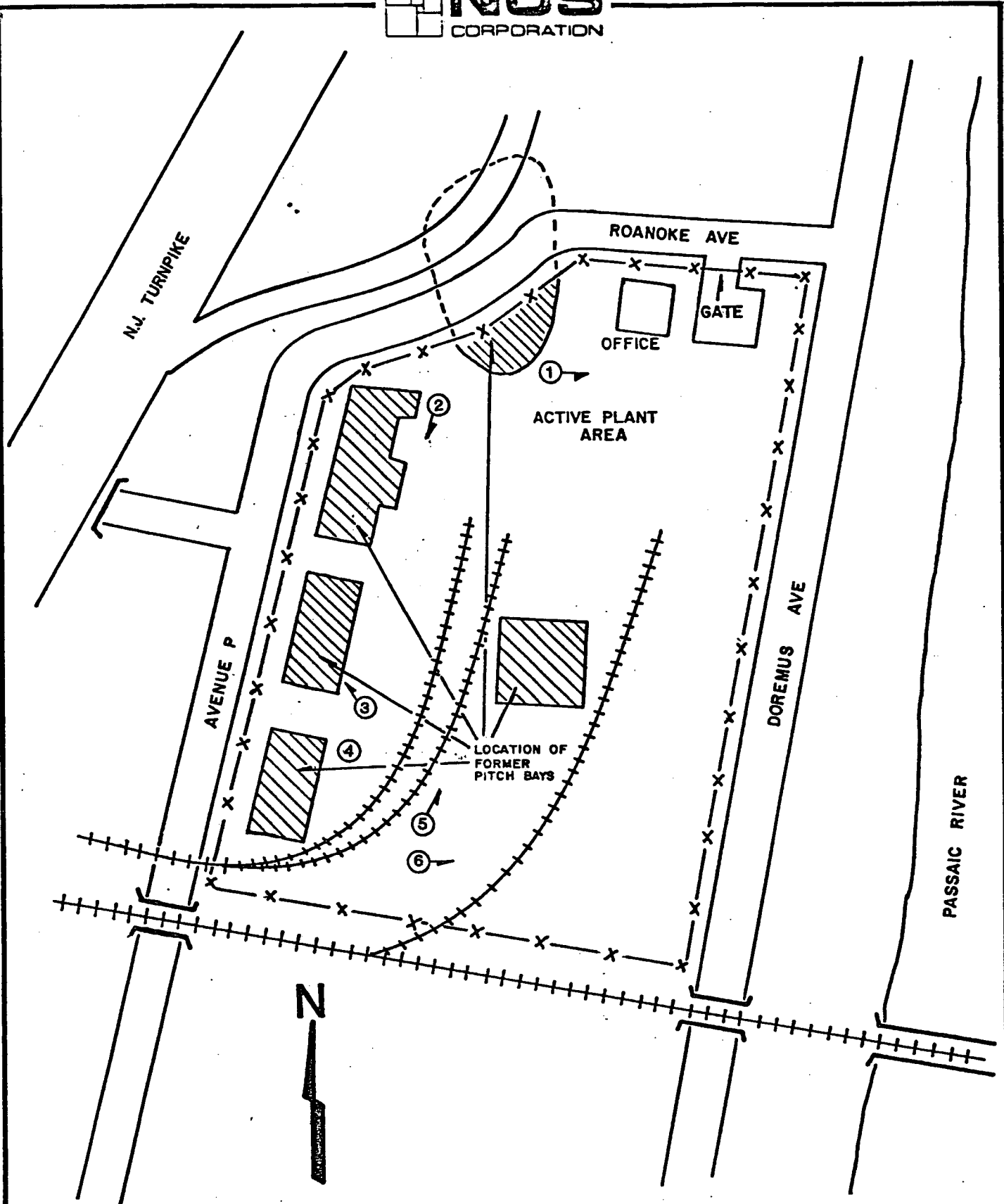
NEWARK, N.J.

SITE LOCATION MAP



(NOT TO SCALE)

FIGURE 2
PITT-CONSOL
NEWARK, N.J.
SITE MAP



LEGEND:

○ — DIRECTION OF PHOTO

(NOT TO SCALE)

FIGURE 3

PITT-CONSOL
NEWARK, N.J.

PHOTO LOCATION MAP

INDEX TO PHOTOGRAPHS

1. Gravelled surface in active plant area.
2. Gravelled surface covering former tar waste impoundments
3. View of fill covering former tar waste impoundments.
4. Close-up of tar waste on surface above former impoundments.
5. Surface with tar waste visible.
6. Surface with tar waste visible. To the right (south) of photo 5.